

EYE "MICROCOSM OF THE BODY"

- Eye is built like a camera.
- Light from cornea to the retina traverses through tissues that are representative of nearly every tissue type in the body.
- **Cornea:** typical extra-cellular matrix composed primarily of collagen.
- **Aqueous:** an ultrafiltrate of blood, containing most of the molecules found in serum at concentrations that are reflective of serum levels.
- **Lens:** highly organized array of crystalline proteins.
- **Vitreous:** similar in nature to the articular cartilage and synovial fluid found in joints.
- **Retina and optic nerves** are in fact part of the central nervous system.
- Since eye is easily accessed by light, the optical technologies can be used for the evaluation of structure and physiology in health, aging, and disease.

